The OPA portfolio analysis training program

Matthew Perkins, Paula Fearon, Patricia Forcinito, B. Ian Hutchins, and George Santangelo

Office of Portfolio Analysis, Division of Program Coordination, Planning, and Strategic Initiatives, Office of the Director, National Institutes of Health, Bethesda, MD 20892

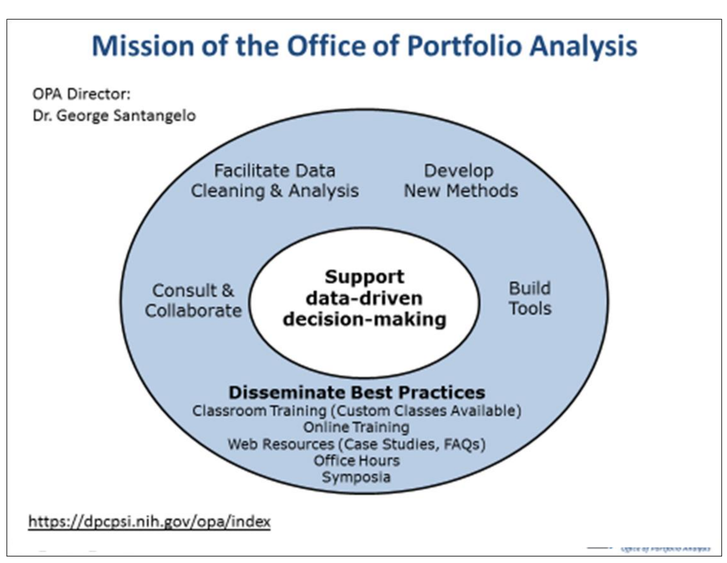
NIH National Institutes of Health
Office of Portfolio Analysis

INTRODUCTION

The Office of Portfolio Analysis (OPA) was established in 2011, and is part of the Division of Program Coordination, Planning, and Strategic Initiatives (DPCPSI) within the Office of the NIH Director (OD).

OPA is an interdisciplinary team that impacts NIH-supported research by enabling NIH decision makers and research administrators to evaluate and prioritize current and emerging areas of research that will advance NIH's mission.

As part of the mission of Office of Portfolio Analysis (OPA), the training team offer a variety of portfolio analysis training opportunities for NIH staff.




Paula Fearon


Patricia Forcinito


Ian Hutchins


Matthew Perkins

OFFICE HOURS

Bring your portfolio analysis questions to us. These drop-in sessions are held every two weeks on Thursday afternoons, at a rotating series of NIH sites–no appointment necessary! Check the OPA training portal for details: https://opa-trainingportal.od.nih.gov/.

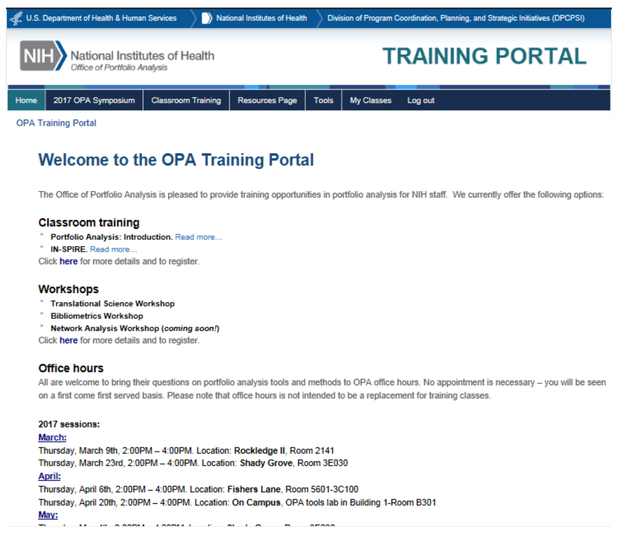
CONSULTATIONS

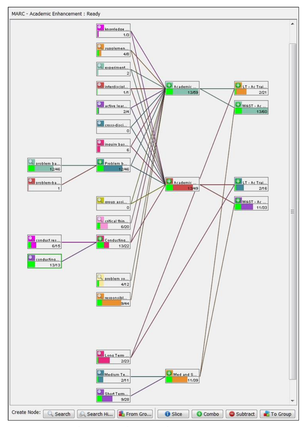
OPA supports portfolio analyses across NIH by offering one-on-one consultations to NIH staff. NIH staff seeking guidance on portfolio analysis are welcome to set up a consultation with OPA.

ONLINE MATERIAL

The OPA training portal contains booking details for training courses as well as online material, such as Excel tips for portfolio analysis. An online networks course is coming soon, as are case studies.

https://opa-trainingportal.od.nih.gov/




Network produced in IN-SPIRE using Search Networks tool

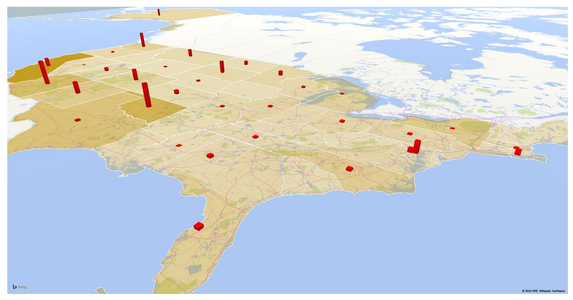
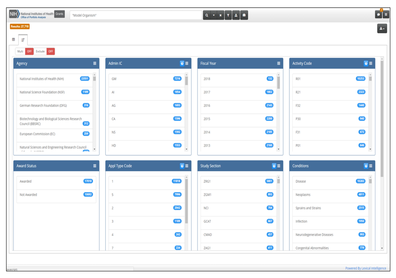


Chart produced in Microsoft Excel, 3D maps

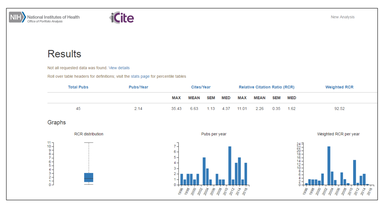
TRAINING COURSES

❖ **PA101: Introduction to Portfolio Analysis**
This introductory class covers how to approach a portfolio analysis. Questions addressed include: What is a portfolio analysis? Who carries out portfolio analyses at NIH and what do they use them for? How do you get started and what resources/tools are available?

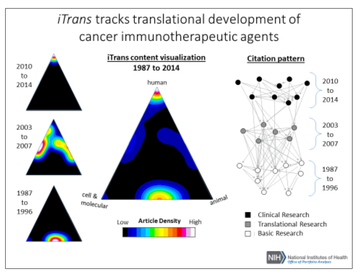
❖ ***iSearch***
iSearch is NIH's next-generation portfolio analysis platform, providing comprehensive, easy-to-use access to carefully curated, extensively-linked datasets of global grants, patents, publications, clinical trials and approved drugs. Search results can be exported directly to Excel or to iCite (for RCR data) and/or iTrans (for translation data).



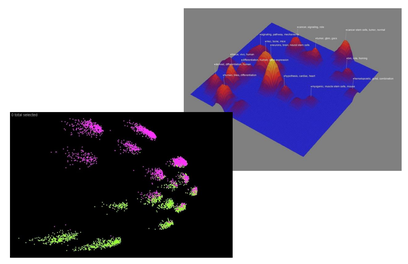
❖ **Bibliometrics (RCR and *iCite*)**
Learn how to use *iCite*, a powerful web application providing bibliometric information for journal publications within a portfolio using Relative Citation Ratio (RCR)*, a citation-based measure of scientific influence.



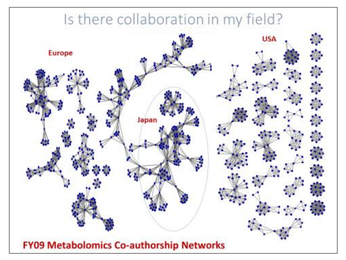
❖ **Translational science (*iTrans*)**
Learn how to use *iTrans,* a web tool that tracks and visualizes bench-to-bedside translation by mapping published articles along three axes: cellular/molecular, animal, and human research.



❖ **IN-SPIRE**
IN-SPIRE™ is a tool for text analysis and visualization. Using advanced algorithms, IN-SPIRE™ automatically identifies key thematic terms within a document collection and then visually organizes the documents into clusters based upon term usage.



❖ **Networks**
Coming soon! A workshop covering network analysis for portfolio analysis using Cytoscape and Sci2 software. An online network analysis course will be available through the OPA training portal.



*Hutchins, B.I., Yuan, X., Anderson, J.M., and Santangelo, G.M. (2016). Relative Citation Ratio (RCR): A New Metric That Uses Citation Rates to Measure Influence at the Article Level. PLoS biology 14, e1002541.

FURTHER INFORMATION

- OPA training portal: https://opa-trainingportal.od.nih.gov/
- OPA training email: OPA-Training@mail.nih.gov